



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Wednesday Evening, December 14, 2016

Electricity

Constellation's 565 MW Nine Mile Point Nuclear Unit 1 in New York at Full Power by December 14

On the morning of December 13 the unit had restarted and was operating at 25 percent. The unit shut from full power on December 10 due to high main turbine vibrations.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20161212en.html>

Exelon's 619 MW Oyster Creek Nuclear Unit in New Jersey Shut by December 14

The unit was shut from 45 percent to repair the turbine control system located in the non-nuclear side of the plant.

Exelon said the shutdown would not impact electrical service to customers.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

[http://www.exeloncorp.com/newsroom/oyster-creek-generating-station-offline-\(3\)](http://www.exeloncorp.com/newsroom/oyster-creek-generating-station-offline-(3))

CDWR's 374 MW San Luis Hydro Unit in California Reduced by December 13

The unit entered an unplanned curtailment of 100 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201612131515.html>

Southern Company Subsidiary's 200 MW Garland Solar Facility in California Begins Operation December 14

Southern Company subsidiary Southern Power and Recurrent Energy on Wednesday announced the commercial operation of its Garland solar facility in Kern County, California. The electricity and associated renewable energy credits (RECs) generated by the facility are being sold under two long-term power purchase agreements with Southern California Edison, which will have the option to keep or sell the RECs.

<http://www.southerncompany.com/news/2016-12-14-spc-garland-begins-operation.cshtml>

Duke Energy to Recycle Coal Ash at Its Retired 382 MW H.F. Lee Plant in North Carolina December 13

Duke Energy on Tuesday announced plans to excavate coal ash from four basins at its retired H.F. Lee Plant in Goldsboro, North Carolina and safely recycle the material for use in concrete products. In 2015, the company had announced plans to excavate and relocate coal ash from the site to a fully lined structural fill in Lee County. The Colon Mine project remains a contingency site if final closure plans for basins across the state require it. The majority of the 6 million tons of ash on the property will be safely reprocessed for use in concrete products by the current 2028 closure deadline, Duke said. Any material left after recycling operations have ended will be relocated to a safe, permanent storage solution off-site. The company does not intend to construct a landfill onsite to store remaining material.

<https://news.duke-energy.com/releases/duke-energy-to-recycle-coal-ash-at-h-f-lee-plant-in-goldsboro>

Marathon Reports Normal Operations after SRU Upset at Its 459,000 b/d Galveston Bay, Texas Refinery December 14

Marathon Petroleum Corp reported a unit upset due to a blower issue at its Galveston Bay, Texas refinery, according to a filing with the Texas Commission on Environmental Quality. The filing said the upset caused a sulfur dioxide release from the sulfur recovery unit. Marathon said the unit was able to resolve the issue and resume normal operations.

Reuters, 13:59 December 14, 2016

ExxonMobil Reports Hydrocracker Malfunction at Its 344,600 b/d Beaumont, Texas Refinery December 13

ExxonMobil Corp reported the hydrocracker unit at its Beaumont, Texas refinery experienced an upset due to an electrical malfunction on December 13, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 13:01 December 14, 2016

Shell Reports Unit Upset at Its 285,500 b/d Deer Park, Texas Refinery December 13

Royal Dutch Shell reported unplanned flaring activity due to a process unit upset at its Deer Park, Texas refinery, according to a community information line.

Reuters, 22:58 December 13, 2016

Citgo Shuts CDU for Repairs at Its 157,500 b/d Corpus Christi, Texas Refinery December 14 – Sources

The crude distillation unit (CDU) at Citgo Petroleum Corp's Corpus Christi, Texas refinery was expected to be shut until early next week for repairs to a heat exchanger, sources familiar with plant operations said. Citgo on Wednesday began repairs to the heat exchanger that were expected to take between three and four days to complete, the sources said.

Reuters, 10:36 December 14, 2016

Sun Canadian Pipeline Issues All Clear after Fire Alert in Sarnia

Sun Canadian Pipeline issued an all clear after Suncor and the Sarnia fire department responded to reports of smoke in a facility known as the Vidal Street control room on Tuesday, according to a community alert site.

Reuters, 23:04 December 13, 2016

U.S. Commercial Crude Inventories Fall by 2.6 Million Barrels December 9 – EIA

U.S. commercial crude inventories fell by 2.6 million barrels to about 483.2 million barrels during the week ending December 9, compared with analyst expectations for a decrease of 1.6 million barrels, according to data released by the Energy Information Administration on Wednesday. Meanwhile, commercial crude stocks at the Cushing, Oklahoma delivery hub rose by 1.2 million barrels to 66.5 million barrels, EIA said, the sixth build in Cushing out of the last seven weeks.

Reuters, 11:05 December 14, 2016

Natural Gas

Update: TGP to Complete Unplanned Repairs to Its Station 820 in Louisiana by December 27

Kinder Morgan's Tennessee Gas Pipeline Co. (TGP) estimates repairs associated with its Station 820 near Starks, Louisiana to be completed by December 27. On December 3, a force majeure event was declared at Station 820 near Starks, Louisiana due to an issue with Unit 1A. The company said secondary out of path nominations at meters 411586 and 401366 will remain at risk until force majeure is lifted. Tennessee Gas Pipeline is an approximately 11,800-mile pipeline system that transports natural gas from Louisiana, the Gulf of Mexico and south Texas to the northeast section of the United States, including New York City and Boston.

http://pipeline2.kindermorgan.com/Notices/NoticeDetail.aspx?code=TGP¬c_nbr=361770

Transco Reports Unplanned Outage at Its Wharton Storage Facility in Pennsylvania December 12

Williams Companies' Transcontinental Gas Pipeline Co. (Transco) on Monday experienced an unplanned outage at the Wharton Storage facility near Wharton, Pennsylvania. As a result, Transco said its National Fuel Wharton and North Penn Wharton locations would be unavailable for flow until further notice. The company is also assessing the potential impact of the outage and will communicate any storage service interruptions as soon as additional information is available. The Wharton facility is majority owned by Transco and National Fuel Gas Supply Corp, the facility's operator, and both owners inject and withdrawal gas supply from the storage field. According to Transco, the Wharton storage facility represents approximately 24 percent of its total withdrawal entitlements.

<http://www.1line.williams.com/1Line/wgp/download?delvid=7691466&hfNoticeFlag=Y&hfDownloadFlag=false&hfFileName=download.html>

http://www.natfuel.com/supply/market/MapsAndTables/NFGSC_HUB_MAP.pdf

Reuters, 12:51 December 14, 2016

Other News

Nothing to report.

International News

Nothing to report.

Energy Prices

| U.S. Oil and Gas Prices | | | |
|--|-------|----------|----------|
| December 14, 2016 | | | |
| | Today | Week Ago | Year Ago |
| CRUDE OIL West Texas Intermediate U.S. \$/Barrel | 50.96 | 49.80 | 36.26 |
| NATURAL GAS Henry Hub \$/Million Btu | 3.60 | 3.71 | 1.77 |

Source: Reuters

Links

This Week in Petroleum from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM ET every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM ET every Thursday.

ENERGY ASSURANCE DAILY

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<http://www.oe.netl.doe.gov/ead.aspx>

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